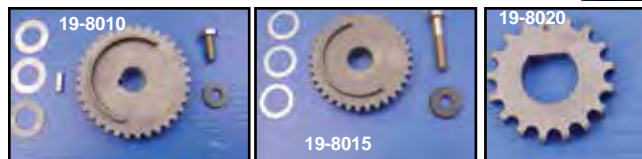


# Cam Kit for TC-88



Andrews TC-88 Steel Camshaft Drive Sprocket fits 1999-06.

VT No.	Type	Sprocket Type
19-8010	34T Cam	Key Drive
19-8015	34T Cam	Spline Drive
19-8020	17T Crank	Spline Drive



### S&S Easy Start Cams

- Start any engine even with a stock starter
- Save your starter and battery
- Reliable-tested for 10,000 consecutive starts and never ran down the battery
- Fully automatic no buttons to push
- Start any TC-88 engine regardless of displacement or compression available in chain or gear drive versions-proven performance again from an industry leader

S&S, kits include cams, gear drive kit (when required) and cam installation kit.

2007-16 FLT	2007-16 FLT	99-06 TC-88 Series
2007-up FXST-FLST-FXD chain drive kit	2007-up FXST-FLST-FXD gear drive kit	2007-up FXST-FLST-FXD gear drive kit
10-6551	N/A	10-9551 551
10-6570	N/A	N/A 570
10-6583	N/A	10-9583 583
N/A	N/A	10-9585 585
N/A	10-7625	10-9625 625
10-6640	10-7640	N/A 640
N/A	10-7675	10-9675 675



S&S TC-88 Gear Drive Cams and Camshaft Kits increase valve timing accuracy by eliminating timing chain lash and also reverses the rear cams direction of rotation providing additional operating clearance between cam lobes that will allow higher cam lifts. Complete Cam Kits include cams, complete gear drive kit and cam installation kit.

Gear Drive Cams can only be used with gear drive kit and also must be used with adjustable pushrods and performance valve spring kit. Cams only include inner gears. Outer cam drive gear kit must be ordered separately. Material must be removed from the inner surface of the stock gear cover and crank case modification is required on .625" and .640 lift cams.

00-05 FXD		06-up FXD-		Series (See Note*)	Valve Timing		Valve Duration		Valve Lift	Centerline		Lift@TDC	
00-06 FLT	00-06 FLST	07-up FXST-FLST	2007-16 FLT		Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust
—	10-5182	—	—	509G <sup>5</sup>	18°/18°	46°/11°	216°	237°	.509"	90°	106°	—	—
10-5160	10-5177	10-5246	10-5266	510G <sup>1</sup>	20°/38°	52°/20°	238°	252°	.510"	99°	106°	.187"	.178"
—	10-5178	10-5247	10-5267	570G <sup>2</sup>	20°/40°	55°/20°	240°	250°	.570"	100.0°	107.5°	.187"	.179"
10-5168	10-5179	10-5248	10-5268	585G <sup>3</sup>	20°/40°	60°/20°	245°	260°	.585"	102.5°	110.0°	.186"	.176"
—	10-5180	10-5249	10-5269	625G <sup>4</sup>	20°/55°	60°/20°	255°	260°	.625"	107.5°	110.0°	.189"	.184"
10-5172	—	10-5250	10-5270	640G <sup>5</sup>	25°/60°	60°/25°	265°	265°	.640"	107.5°	107.5°	.228"	.221"
10-4276	—	10-4268	—	Outer cam drive gear kit									
10-4275	—	10-4285	—	complete gear drive kit includes pinion gear, front and rear inner cam gears and outer cam gear.									

- 11-7715 adjustable pushrod set
- 11-2077 valve spring kit w/steel top collars
- 1. Camshaft Set 510G: designed for 88-95 cubic inch engines with compression ratio below 9.7:1
- 2. Camshaft Set 570G: designed for 88-95 cubic inch engines with compression ratio below 10:1
- 3. Camshaft Set 585G: designed for 88-95 cubic inch engines with compression ratios from 10 to 10.75:1
- 4. Camshaft Set 625G: designed for engines of 95 cubic inches or more with compression ratios between 10.0 and 10.75:1
- 5. Camshaft 640G: designed for engines of 95 cubic inches or more with compression ratios of 10.5-11.5:1
- 6. Camshaft 510G: designed for 88 cubic inches with stock compression ratio



**S&S TC-88 Adjustable Pushrods and Cover Kit.**  
Chromoly pushrods feature simple trouble-free installation that does not require the removal of gas tank or rocker assemblies. Includes pushrods, gaskets, O-rings, retainer clips and upper pushrod covers that have been designed to provide a more stable and rigid cover assembly. Fits 2006-up FXD, 2007-up FXST FLST, 2007-2016 FLT.



**Cam Installation Support Kit** includes cam cover gasket, two inner cam needle bearings, two outer cam bearings and a retaining ring.

VT No.	Type	Years
12-0125	Gear	2000-05 FXD, 2000-06 FXST FLST, FLT
12-0126	Chain	As Above
12-5240	Gear	2006-up FXD, 2007-up FXST FLST 2007-2016 FLT

VT No.	Item
11-7715	Kit
11-7716	Pushrods Only



## CRANE Cams TC-88

Crane Cam Sets are available as a replacement style to be used with stock cam drive assembly or with S&S gear drive assembly. Computer designed hydraulic cams that feature lube-to-lube cam profile accuracy for off idle torque to high RPM horsepower.

99-05 FXD	06-up FXD	Duration @.053	Exhaust	Gross Valve Lift @ TDC	Specifications
99-06 FLT, FXST	07-16 FLT, 07-up FXST-FLST	Intake	Exhaust	Intake Exhaust	
comp.	10-4411**	226°	236°	.505" .505"	<i>Mild Street, Cruising, Touring.</i> Bolt-in cam, low-end torque and mid-range HP. Good for heavy bikes. Stock
10-4392		13/33	42/14	.147" .152"	Best power with performance air cleaner, free-flow exhaust. Use stock v/springs. Range: Idle to 5,000 RPM
10-4407*		236°	242°	.505" .505"	<i>Moderate Street, Cruising.</i> Bolt-in. Mild performance for Dynaglide, Softail or single riders. Stock compression ratio or up to 9.5:1. Must use performance air cleaner and free-flow exhaust. Uses stock v/springs.
N/A		20/36	47/15	.185" .157"	Range: 1,500 to 5,500 RPM
10-4393	10-4419	242°	252°	.505" .505"	<i>Street Performance, Some Engine Modifications.</i> Bolt-in. Okay with stock compression but works best with up to 10:1:1 compression ratio. Must use performance air cleaner and free-flow exhaust. Use stock valve springs.
N/A		19/43	48/24	.178" .205"	Range: 1,800 to 5,800 RPM
N/A		240°	248°	.570" .570"	<i>Hot Street Performance, Modified.</i> Okay with stock cubic inch or big-bore kit (95 cubic inch). Best power with increased compression ratio 9.5:1-up, head mods. Must use Crane valve springs, cleared for .570" lift. Great low-end and mid-range torque with added upper RPM power. Must use performance air cleaner and free-flow exhaust. Range 1,800 to 5,800 RPM
10-4395		18/42	46/22	.173" .198"	
10-4416**		254°	260°	.600" .600"	<i>Max Hot Street, Modified.</i> For modified engines. Higher compression, 10.5:1-up big-bore kits, head modifications, etc. Must use Crane valve springs, cleared for .600" lift. Strong mid-range torque with upper RPM power. Must use performance air cleaner and free flow exhaust. Range: 2,000 to 6,200 RPM
10-4416**		25/49	56/24	.211" .206"	

\*Note: Use S&S Gear Drive Assembly 10-4275  
\*\*Note: Cam and lifter kits include replacement style cams and Crane Performance tappets.